Pearson Education, Inc., publishing as AGS Globe

AGS Algebra, Student Text

AGS Algebra provides students with all of the concepts and skills they need to succeed in a first-year algebra course.

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ISBN
0785435670

Contract Price
$49.99

Grade
6, 7, 8, 9, 10, 11, 12

TYPE
P1

Copyright
2004

Author
Haenisch, Siegfried

Edition
2nd

Content
Algebra

Readability
Grades 3-4

Accessibility
n/a

Research
Contact Publisher at
800-328-2560

Provided by the Publisher

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AGS Algebra, Student Text			
Type - P1	Author - Haenisch, Siegfried		
Copyright - 2004	Edition - 2nd	Readability - Grades 3-4	
Course - Algebra		Grade(s) - 6, 7, 8, 9, 10, 11, 12	
Teacher Edition ISBN if applicable 0785435689			

Provided by the Publisher

Overall Recommendation: **Recommended as BASAL**

if this box is not checked, the evaluators have chosen NOT recommend as basal

Overall Strengths, Weaknesses, Comments:

The text provides the content for an Algebra 1 course. The teacher edition contains ideas for differentiation, ESL, and students with learning difficulties. There are a limited amount of assessment questions and types.

NIMAC Accessibility	N/A	
Ancillary	Yes	
Free with Purchase	Yes	
Research	Yes	Contact Publisher at 800-328-2560

AGS Algebra provides students with all of the concepts and skills they need to succeed in a first-year algebra course.

CRITERIA

This basal resource …

A. Encompasses KY Content Standards & Grade Level Expectations	Strong Evidence

Text is designed to be used in an elective course outside the Program of Studies

1) Includes the 5 Big Ideas of mathematics to the following extent:	
a) Number Properties and Operations	Strong Evidence
b) Measurement	Strong Evidence
c) Geometry	Strong Evidence
d) Data Analysis and Probability	Strong Evidence
e) Algebraic Thinking	Strong Evidence
2) Addresses content-specific enduring understandings from the related Program of Studies standards.	Strong Evidence
3) Addresses content-specific skills and concepts from the related Program of Studies standards.	Strong Evidence
4) Content addressed is current, relevant and non-trivial	Moderate Evidence
5) Provides opportunities for critical thinking/reasoning	Moderate Evidence

6) Strengths, Weaknesses, Comments:

- Specific strengths-which areas/concepts are covered exceptionally well?
- Specific weaknesses-which areas/concepts would likely require supplementing?

The content for Algebra 1 is covered in full. There are no activities that require higher level thinking or investigation.

B. Functionality & Suitability **Strong Evidence**

1) Suitability **Strong Evidence**

- Should be suitable for use with a diverse population and is free of bias regarding race, age, ethnicity, gender, religion, social and/or geographic environment; is free of stereotyping or bias of any kind.

2) Content quality **Strong Evidence**

- Free from factual errors
- Content is presented conceptually when possible—more than a mere collection of facts
- Content included accurately represents the knowledge base of the discipline
- Theories/scientific models contained represent a broad consensus of the scientific community
- Interconnections among mathematical topics

3) Connections to Literacy **Strong Evidence**

- Employs a variety of reading levels and is grade/level appropriate
- Use of multiple representations-concrete, visual/spatial, graphs, charts, etc.
- Provides opportunities for summarizing, reviewing, and reinforcing vocabulary skills and concepts at multiple levels of difficulty for a variety of learning styles.
- Student text provides opportunity to integrate reading and writing
- Uses vocabulary that is age and content appropriate
- Focuses on critical vocabulary vs. extensive lists
- Identifies key vocabulary through definitions in both text and glossary
- The text is engaging and facilitates learning
- Embedded activities enhance the understanding of the text
  Note: may apply to either student or teacher editions

4) Connections to Technology **Strong Evidence**

- Integrates technology and reflects the impact of technological advances
- Uses technology in the collection and/or manipulation of authentic data
- Embeds web links as a mathematics resource.

5) Support for Diverse Learners **Strong Evidence**

- Provides support for ESL students
- Provides support for differentiation of instruction in diverse classrooms
- Challenge for gifted and talented students
- Support for students with learning difficulties
  Note: may apply to either student or teacher editions

6) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

The text is reading level appropriate. There are questions involving writing and analyzation of teaching strategies, allowing the students to think critically. Vocabulary is included in the written paragraphs. Calculator practice instructions are given. There are also blurbs about

how the mathematics is used in real-life technological applications. Differentiation is provided in the teachers manual (learning preferences), as well as modifications for ESL and students with learning difficulties.

C. Supports Inquiry and Skill Development — Moderate Evidence

1) Promotes Inquiry, research and Application of Learning

Moderate Evidence

- Provides opportunities for inquiry and research that includes activities such as gathering information, researching resources, observing, interviewing, and evaluating information, analyzing and synthesizing data and communicating findings and conclusions, formulating authentic questions to deepen and extend mathematical reasoning.
- Requires students to use higher-level cognitive skills (analysis, synthesis, evaluation, generalizing, justifying, etc.)
- Provides activities and projects for students to deepen their knowledge and cultivate and strengthen problem-solving and decision-making skills.
- Provides opportunities for application of learned concepts.
- Uses a variety of relevant charts, graphs, diagrams, number lines, and other illustrations to invite and motivate students to engage in discussion, problem solving, and other high-order thinking skills.
- Emphasizes conceptual understandings that invite students to predict, conclude, evaluate, develop and extend ideas to support reasoning.
  Note: may apply to either teacher or student edition

2) Skill Development

Moderate Evidence

- Provides opportunities to make sense of all mathematics
- Provides opportunities to recognize, create, and extend patterns.
- Provides opportunities for critical thinking and reasoning.
- Provides opportunities to justify/prove responses.
- Provides opportunities to ask deeper questions.
- Contains embedded activities (or extensions) that emphasize use of technology for problem solving
  Note: may apply to either teacher or student edition

3) Strengths, Weaknesses, Comments:

Activities are only included in the teacher edition. There is little opportunity for discovery in the student text. The questions are mainly lower level. There are few open-response questions and extensions for the students within the text. There is not a lot of variety in the exercises provided.

D. Supports Best Practices of Teaching and Learning — Moderate Evidence

1) Engages Students

Moderate Evidence

- Includes content geared to the needs, interests, and abilities of all students
- Engages and motivates students using components such as real-life situations, simulations, experiments, and data gathering.
- Includes information and activities that assist students in seeing relevance of concepts (where appropriate) to their own lives and experiences
- Provides a variety of strategies, activities, and materials to enhance student learning at the appropriate learning levels
- Activities are truly congruent to the concepts addressed, not merely correlated
  Note: may apply to either teacher or student edition

2) Uses Assessment to Inform Instruction

Moderate Evidence

- Includes multiple means of assessment as an integral part of instruction
- Provides evaluation measures in the teacher edition that supports differentiated learning activities
- Embedded assessments reflect a variety of Depth of Knowledge levels
  Note: may apply to either teacher or student edition

3) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards

The lessons do not provide the students with objectives or situations that give the mathematics meaning in their lives. When the mathematics is related it is an aside from the flow of the text. The assessments provided do not contain higher-order questions.

E. Has an Organization/ Format that Supports Learning and Teaching — Moderate Evidence

1) Organizational Quality — Moderate Evidence

- Print and/or electronic materials present minimal barriers to learners, but also add encouragement for students to stretch and make further explorations.
- Presents chapters/lessons in an organized and logical sequence
- Provides clearly stated objectives for each lesson.
- Uses text features (e.g., titles, headings, subheadings, review questions, goals, objectives, space, print, type size, color) to enhance readability.
- Makes use of various forms of media (e.g., CD's, recordings, videos, cassette tapes, computer software, web-based components, interactive software, calculators, physical and virtual manipulatives) as either student or teacher resources
- Includes clear, accurate, appropriate and clearly explained illustrations and/or graphics that reinforce content standards.
- Incorporates a glossary, footnotes, recordings, pictures, and/or tests that aid pupils and teachers in using the book effectively
- Uses grade-appropriate type size
- Included media are durable, easy to use and have technical merit
- Construction appears to be durable and able to withstand normal use

2) Essential Components (beyond student and teacher text) — Little or No Evidence

- Items identified as essential components support the learning goals and concept coverage of the basal

3) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

The text is appropriate for grade levels 7-12. There are many step-by-step detailed examples provided for each lesson. However, there are not many different levels of questions posed to the students. There are no materials beyond the student and teacher edition. The student text only has references to calculators, there is no other media mentioned.

F. Has available Ancillary/ Gratis Materials

Note: The decision whether to recommend or not recommend this resource as a basal should not be influenced by Section F

Moderate Evidence

1) Ancillary/Gratis Materials

- Coordinates teacher resources easily with student material (e.g., accompaniments included, student pages shown, instructional technology indicated).
- Are well-organized and easy to use
- Provide substantive learning opportunities and are congruent with student learning goals
- Provide opportunities for high-level thinking, assessment, and/or problem solving
- Provides opportunities for intervention.

2) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

The ancillary materials include a teacher's resource library, review game, and solution key software all on CD. In addition there is a student workbook available. The skill track software can be used to remediate students or test for knowledge of a specific topic.